Product information

Monoclonal anti-human DUSP3 antibody (clone AT9E6)

Mouse IgG_{2b}, κ

Cat. No. IBATGA0374

Immunogen: Recombinant human DUSP3 (1-185aa) purified from *E. coli*

NCBI Accession No.: NP_004081

Isotype: Mouse IgG_{2b} heavy chain and κ light chain

Clone: Anti-human DUSP3 mAb, clone AT9E6, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human DUSP3 protein.

Description: DUSP3, also known as Dual specificity protein phosphatase 3, is inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli.

Concentration: 1 mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol

Storage: Can be stored at +4C. For long term storage, aliquot and store at -20C. Avoid repeated freezing and thawing cycles.

Usage: The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution for Western blot analysis is 1:3000.

Application: ELISA, WB

Manufactured for:
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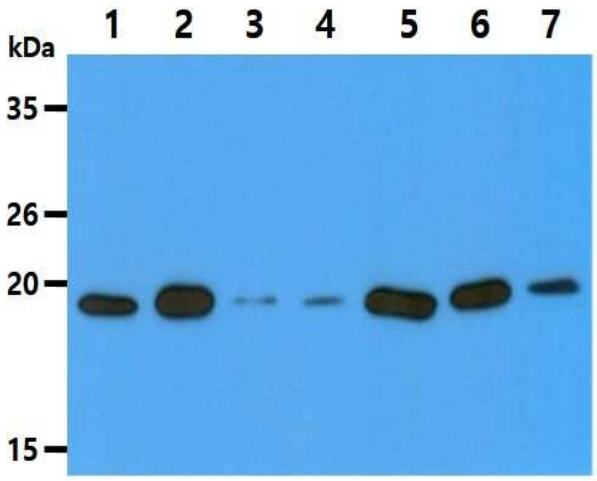
Western blot analysis

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human DUSP3 antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Lane 1.: HeLa cell lysate
Lane 2.: HepG2 cell lysate
Lane 3.: Jurkat cell lysate
Lane 4.: MCF7 cell lysate
Lane 5.: 293T cell lysate
Lane 6.: U87MG cell lysate
Lane 7.: K562 cell lysate

General references: Sun H. (1998) *Mol Biol.* **84:** 307-318.
Folander K., *et al.* (1995) *Genomics.* **23(1):** 295-296.

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